

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Aiken Technical College

Project: EQUIPMENT

Budget Request Amount: \$2,650,215

Summary Description:

Advanced Manufacturing	\$1,646,546
Welding Technology Equipment	\$639,845
Heating, Ventilation and Air Conditioning	\$40,248
Health Sciences (Allied Health and Computer	\$222,400
	\$101,176

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Central Carolina Technical College

Project: EQUIPMENT

Budget Request Amount: \$1,781,970

Summary Description:

Complex Mechatronics System with Industrial Robot	\$120,000
Pneumatic Trainers	\$162,866
Mechanical Trainers	\$279,906
AC/DC Trainers	\$210,118
Mass Spectrophotometer for CRJ Forensics Lab	\$250,000
Engine Dynamometer for Automotive Lab	\$65,000
Health Sciences SIM Lab Replacement System	\$133,000
Iron Worker Fabricator Tool/65 Tons (Welding)	\$16,000
Arc Welders (Welding)	\$11,000
Student/Instructor Chairs for Computer Labs	\$37,000
Equipment for HVAC Program Lab	\$18,306
Van for Transporting Students to Events and Field Trips	\$27,000
MacBook Pro and Adobe SW for Mac Lab	\$53,114
Update Computers in Student Labs	\$282,660
Utility Server Replacement for Outreach Campuses	\$26,000
Oracle Diagnostics and Turning Pack (IT Security)	\$40,000
HP StoreVirtual 4730 900GB SAS Storage	\$50,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Denmark Technical College

Project: EQUIPMENT

Budget Request Amount: \$997,827

Summary Description:

Dewalt 18v Cordless Drill	\$310
Dewalt 18v cordless Drill/ Driver	\$375
Dewalt Variable Speed Reversing Drill	\$180
Nitride Coated Drill Bit Set (2)	\$440
Dewalt Skill Saw (2)	\$700
Dewalt Reciprocating Saw	\$200
Dewalt Jig Saw	\$200
Dewalt Laminate Trimmer	\$160
Router Table	\$1,030
Router Bit Set	\$300
Dewalt Orbit Sander	\$100
Dewalt Palm Sander	\$80
Dewalt Miter Saw	\$430
Bosch 10" Table Saw	\$520
Mikita 12" Radial Arm Saw	\$4,050
14 piece Drafting Kit (15)	\$750
Alvin Drawing Board Kit (15)	\$540
Digital Mustimeter (25)	\$922.50
Klein Wire Strippers (25)	\$500
Klein 5 in 1 Screw Driver	\$410
Mag Torch Head (10)	\$800
Tubing Cutter (10)	\$94
Plastic Pipe Cutter (10)	\$350
Fuel Cylinder (15)	\$1,200
General Purpose Pliers (10)	\$500
PVC Saw (10)	\$200
Dewalt Framing Nailer	\$670
Dewalt Finish Nailer	\$500
Portable Generator	\$500
9 Inch Block Plane (5)	\$530
4 Foot Mason Level (5)	\$565
2 Foot Mason Level (5)	\$335
CST Lasermark Rotary Level	\$1,025
Electric Relay Control Learning System (2)	\$9,200
Electrical Wiring Learning System	\$20,000
Robotics Computer Programming Learn (2)	\$130,000
Mechatronics Complete Line	\$230,000
Pressure Process Control Learning (2)	\$144,000
Structural Engineering 1 Learning (2)	\$21,000
AC/DC Electrical Learning (2)	\$13,000
Smart STAT Advanced w/ IPAD® Controls (2)	\$47,000

Individual College Initiatives (Detail)

Refurbished LIFEPAK® 20 Defibrillator (2)	\$22,264
Hospital Beds with Mattresses (4)	\$9,980
Oxygen/Air/Suction Wall Simulators (14)	\$13,104
Bedside tables (3 Drawer) (7)	\$3,248
Rolling Stools (7)	\$1,796.90
Over the Bed Tables (5)	\$1,160.25
Sim Man Vital Sign Simulators + Equipment (2)	\$18,510
Partition curtains (7)	\$1,134
Adult Mannequins (6)	\$4,470
Wheelchairs (3)	\$497.19
Adult CPR Model Mannequins (Upper Torso) (3)	\$1,845
Infant CPR Model Mannequins (3)	\$387
Advanced childbirth Simulator Maternal Fetal Birthing Torso	\$406.25
Infant Mannequins (Nurse Training Babies) (2)	\$1,338
Medicine Carts (2)	\$430.96
STD Catheter Trainer	\$310
Intramuscular Injection Simulators (4)	\$1,860
3B Scientific Torso	\$932.25
Muscular Torso	\$5,266
Intradermal Injection Model (4)	\$640
Skeletal Model	\$106.95
Intramuscular Injection Simulator (6)	\$2,790
Male Catheter Model	\$310
Female Catheter Model	\$310
Portable Suction Machine	\$1,345.75
Portable Oxygen Tank Simulators (2)	\$411.80
Set of Body Parts with Wounds (Models)	\$2,995
Doctor Scales (2)	\$1,550
Geri Chair	\$578.94
Stretchers (2)	\$2,360
Port-O-Potty (2)	\$68.72
AED Trainer	\$351
Step Ladders (2)	\$79.18
Heavy Duty Carts (3)	\$642.63
Victor Heavy Duty Cutting-Welding Outfit (3)	\$2,305.44
Heavy-Duty Track Cutting Station (2)	\$542
Cutmaster 42" Plasma Kit (2)	\$3,454
HVBS 7mw 7" X 12" Band Saw	\$1,299
Master Pipe Cutting Station	\$2,500
DeWalt Angle Grinder 4 1/2" (8)	\$1,231.20
DeWalt 6" Grinder (2)	\$360
Metal Cutting Chop Saw 14" (4)	\$2,076
Welder Multi-Process MIG (16)	\$56,400
Welder Multi-Process POWER WAVE (16)	\$95,040
Welder Multi-Process POWER WAVE (16)	\$95,472.68

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Florence Darlington Technical College

Project: EQUIPMENT

Budget Request Amount: \$3,862,252

Summary Description:

Library Equipment	\$22,650
Healthcare Programs Equipment	\$125,526
Hartsville Site Equipment	\$84,252
Machine Tool Equipment	\$150,000
Computer Science Equipment	\$25,840
Business Technology Equipment	\$57,200
Welding Equipment	\$345,000
Automotive Technology Equipment	\$785,500
Auto Body Repair Equipment	\$457,400
Diesel Technology Equipment	\$156,000
HVAC Equipment	\$267,128
Engineering Technology	\$128,000
Humanities	\$5,188
Industrial Maintenance	\$81,000
Lake City Site	\$76,486
Mullins	\$120,525
Science	\$65,590
Math	\$464
Caterpillar	\$251,503
Truck & Forklift	\$60,000
Instructional Classrooms	\$102,000
Infrastructure	\$250,000
Distance Learning	\$190,000
Administrative Computing	\$55,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Greenville Technical College

Project: EQUIPMENT

Budget Request Amount: \$9,279,344

Summary Description:

Document Camera (2)	\$1,400
Cisco Lab Equipment	\$25,000
Required Equipment for Cisco Academy Curriculum Upgrade	\$5,500
8-in-1 Dermisystem	\$3,400
Client Mani Chairs	\$4,500
Hood Style Hair Dryers	\$2,500
Hydrafacial MD	\$10,000
Manikin Simulator	\$1,300
Portable Pedi Spa/Chair Combo	\$6,000
Shampoo Bowls/Chairs	\$4,416
Station Mats	\$3,400
Stations	\$16,800
Plotter	\$25,000
Builders Transit (4)	\$4,000
Large Format Color Plotter	\$14,000
Laser Level w/ Receiver	\$1,200
Total Stations (2)	\$12,000
Analog/Digital Model PB 505 Circuit Design Trainers by Global	\$18,584
P/V Pressure, Voltage, & Temperature Transducers	\$20,000
PID Controller Unit	\$12,000
Advanced Structures Set (4)	\$1,835
Bin Platens for MetaServ Tables (4)	\$1,320
Faro Arm	\$75,000
Load Cell & Amplifier Set (4)	\$2,249
Mechanics 750 System (2)	\$4,046
MetaServ Polishing Table (4)	\$14,720
Plastic Injection Molding Machine	\$75,000
Simplimet 2 cutt off saw	\$9,230
Tinius Olsen Tensile Testing Machine	\$95,000
Plastic (Re)Grinder	\$12,500
Chiller for Plastic Injection Molding Machine	\$6,250
Table Saw w/ new blade guard technology	\$4,000
Blender Bar	\$4,700
Blender Immersion Large	\$4,000
Food Processor Robot Coupe R2 (4)	\$6,000
Adjustable Lab Chairs	\$3,750
Alveoli Model	\$1,938
Body Torso-male/female	\$4,299
Bone-compact, xsect	\$1,378
Compound light Microscopes (40)	\$20,000
DI Water Purifier (Barton, Brashier and Benson plus 3 filters)	\$4,000

Individual College Initiatives (Detail)

Dura septa	\$1,798
Heart-large	\$2,538
Human patient simulation parts	\$15,340
Lymphatic System (on board)	\$3,598
Mandible w/teeth and glands	\$1,706
Muscle Torso Model	\$12,525
Muscular arm	\$3,398
Muscular head	\$4,598
Muscular leg	\$3,798
Muscular Torso	\$25,050
Nasal Cavity (on board)	\$1,650
Pulmonary Lobule Model (3)	\$5,914
Reproductive Organs-male	\$1,918
Skeleton-disarticulated	\$2,000
Skeleton-disarticulated female	\$2,120
Skull disarticulated	\$2,258
Skull-colored	\$1,378
Spinal cord (on board)	\$3,258
Teeth (individual)	\$1,498
Arrowsmith Classroom - Infrastructure	\$15,000
Arrowsmith Classroom - Tables & Chairs	\$20,000
Refresh for ALZ Laptops & Carts	\$66,500
Workstation Tables & Chairs to Replace Desks in UT-359	\$11,000
Balances	\$20,190
Ballistic Pendulum	\$11,685
Centrifuge(2)	\$1,458
Drying Oven	\$1,822
Explosion Proof Refrigerator	\$3,981
Flammable Cabinet	\$2,041
Lab Dishwasher	\$7,277
Melting Point Apparatus (2)	\$9,114
Spec 20 Spectrophotometer (2)	\$37,151
Stackable acid cabinet(4) /w floor stand	\$3,592
UV/Vis Spectrophotometer	\$11,457
Assorstment Mounting Hardware for Apparatus	\$6,300
Face Piece Bags (30)	\$1,700
Fire hose (1-3/4" attack)	\$2,000
Haz-Mat Spill Kit	\$22,500
helmets (20)	\$3,000
MSA Self Contained Breathing Apparatus(5)	\$21,000
Track Torch	\$4,000
Welding machines(17)	\$56,000
Barricades for Backing Range	\$2,000
Heated Pressure Washer	\$5,000
Lockable Tool Box with Hand Tools	\$1,020
Nikon D810 (Replacement)	\$3,300
Scrim - One White and One Light Blue (2)	\$2,000
XCALIBER L/R REAR TREAT (2)	\$64,500
Air Compressor (2)	\$19,080
Autoclave (4 @ 6360 each)	\$25,440
Digital X-ray Conversion	\$63,600
Intra Oral Camera	\$42,400
Large Ultra Sonic cleaner (2 @ 2120 each)	\$4,240
Radiographic Processors (4 @ 5830 each)	\$23,320
Re-equip Operatories	\$286,200
Vacuum Pumps (2@ 12270 each)	\$25,440

Individual College Initiatives (Detail)

X-ray Units (2 @4770 each)	\$9,540
Articulated skeleton with muscle & Ligament attachments	\$1,960
Traction table & Unit	\$9,500
Adjustable height stools (8)	\$1,100
Emily K9 Positioning Manikin	\$3,100
Jerry K9 CPR Manikin	\$1,100
K-9 III Dryer (2)	\$1,100
Hydroculator	\$1,100
Massage Chairs (2)	\$1,100
Massage Tables (2)	\$1,100
Skeleton Model	\$1,100
Washer/Dryer	\$1,100
Code Simulator 12 lead	\$1,000
Laerdal Airway Management Trainers	\$2,085
Laerdal Neonatal Intubation (2)	\$1,050
Life Pack 15	\$30,956
Little Anne CPR Mannequins (2)	\$1,500
Stair Pro	\$3,073
Stryker-Pro XT	\$15,901
Additional Curtains for Multiple use Spaces	\$4,000
Baby Simulator	\$15,000
Birthing bed	\$10,000
SimMan3G	\$82,000
Chairs (28-computer task and 115 desk chairs)	\$20,050
Radiography Room table update	\$15,000
X-ray Phantom (2)	\$28,500
Servo-I Ventilator	\$25,000
VersaMed I-Vent	\$12,000
Deletec Models (10)	\$4,000
ESU Generators (2)	\$8,990
Mannequins (4)	\$1,700
Prep Tables (4)	\$1,650
Ring Stands (4)	\$1,250
Rotomat Vertical Carousel	\$10,000
Sony Camcorders & tripods (6 each)	\$5,600
Suction Tree with Accessories (6)	\$9,000
Ultrasound Machine (2)	\$130,000
Blood Bank Cell Washer (3)	\$28,500
Chemistry Desdtop Analyzer (2)	\$19,000
Hemocue 201	\$1,100
Microscan Renok (3)	\$3,300
Microscopes (4)	\$20,000
MLA Pipets	\$3,000
Spot Chem Ez	\$8,500
Stago Start 4	\$12,000
Alaris Syringe Pump(1)	\$1,875
Chairs & Tables for Active Learning (3 classroom)	\$27,000
Medication Dispensing System (Pyxis)	\$29,000
Oxygen Blender (1)	\$1,044
Oxygen Concentrator (5)	\$2,800
Heart Sim 200 Simulator	\$2,500
SimScope Hybrid Simulator	\$5,000
Injectable Training Arms (3 @ \$560 each)	\$1,680
Chairs for the Brashier Computer Lab	\$3,465
AED Trainers(6)	\$3,057

Individual College Initiatives (Detail)

Airway Management trainer	\$2,450
Chest Mannequin	\$1,506
CLINITEK STATUS+ ANALYZER	\$1,573
Industrial SCBA, Aluminum, M, 30 min	\$6,460
Injectable Training Arms	\$3,150
Instructor Stools & Chairs (to complete installed instructor stations) (3)	\$1,100
Life/form Intramuscular Injection Simulators	\$1,755
Little Anne CPR Training Manikin - 4-packs (2)	\$1,960
Long Term Care Beds	\$12,846
Male Catheter Model Type 1	\$1,200
Mannequins Life Form -Keri	\$2,650
Multi-Gas Dtctr CSK, O2/LEL/H2S/CO, NA, Ylw	\$1,837
Personal Air Samplers: 5-pump air sampling kit & charging station	\$6,000
Computer (Tutoring Central Office, Barton)	\$1,001
Predictive Analytic Software	\$560,000
Security Gap improvements from Coeur group process	\$150,000
SQL Server upgrade - Student Manager	\$15,000
Student / Employee password reset portal	\$9,100
AV Refresh (Projectors, Document cameras, Extron controllers, etc.)	\$265,000
Barton Campus Outdoor Fiber Plant Upgrade to single mode fiber	\$250,000
Desktop / Laptop Refresh (7 yr/ 4000 desktops)	\$576,000
Desktop virtualization	\$56,250
Equipment repair/replacement/new purchases	\$11,455
Infrastructure Refresh	\$365,600
Monitoring - Network, Server, and Database	\$62,485
Security - Encryption, Network Access Control, Mobile Device Management	\$125,000
Upgrade Barton Campus network core uplinks to 10GB links	\$89,500
Talent Management Software	\$120,000
SCBA Cylinders	\$1,050
SCBA Face Pieces (10)	\$8,000
Fire fighting clothing(10)	\$12,000
500# Ice Mac NEW Manitowoc cuber	\$2,500
Duct Blaster	\$2,500
Lab Equipment	\$4,000
Small refrigeration system for lab projects(7)	\$4,501
Process Control Trainers and Software	\$75,000
Siemens S7 PLC Trainers (8)	\$32,000
10 ft Hand brake	\$7,000
Aluminum Inverter Welders (4)	\$25,000
Bench Grinders(4)	\$1,200
Cam Profiler/Tester	\$5,500
Color Corrected hand held lights(10)	\$4,000
Down Draft Paint Booth	\$120,000
Drive-On Car Lift	\$6,500
Dyno Room/Dyno	\$75,000
Electrical Boards(15)	\$27,000
Flow drill kit	\$1,100
Four Ft. Metal Break	\$1,500
Frame Straightening Rack	\$60,000
Plasma CNC System	\$8,500
Power Hammer	\$6,000
Radius brake	\$2,400
Sanding prep carts(8)	\$16,000
Scan Tools(2)	\$10,000
Set of Go-Jack moving dollies	\$1,200

Individual College Initiatives (Detail)

Stands for shrinker & Shrinker	\$1,200
Strut/Spring Compressor	\$1,001
TIG Welders(2)	\$8,000
Vehicle Lifts	\$5,000
Vertical Band Saw	\$2,500
Welding booths(12)	\$120,000
Accu-turn brake lathe	\$6,000
Alignment Equipment & Lift to Replace Hunter Machine	\$50,000
Ammco brake lathe	\$8,000
Drill Presses (2)	\$3,000
GR-8 Battery charger/analyze(2)	\$6,000
Industry Stand,Tire Changer	\$20,000
Light Reels	\$6,000
Program Certification (Training Materials)	\$3,000
Tire Balancers(3)	\$30,000
Transmission Jacks(6)	\$7,200
Vehicle Exhaust System -Waggonner	\$10,000
20 ton press	\$2,000
CAT test engine	\$50,000
Cummins Test Engine	\$48,000
Detroit test engine	\$46,000
Exhaust Bender	\$6,500
Hydraulic Hose Press	\$2,500
Low Boy Oil Drain System air evacuation kit 871.79 + 184.79	\$7,500
Nozzle shim kits for 78, 6.6 and 7.3	\$1,200
Restock the bolt bin	\$4,000
Scissor Lift	\$4,500
Set of forks for skid steer	\$1,000
Tool set (2)	\$4,000
Tranmission Jack	\$3,000
Truck Wheel Balancer	\$10,000
Tuff Book & all programs	\$7,350
Valve seat cutter NEWAY	\$2,500
Aircraft w/ updated electronics installed	\$100,000
Carburetor Light Aircraft	\$2,400
Force Tech Fastener Kit	\$6,000
Generator Light Aircraft	\$2,400
Operational Reciprocating Engine (0-32 engine)	\$5,500
Radial Engine	\$12,500
Retrofitting existing aircraft w/updated Avionics	\$17,000
6 x 18 manual surface grinders(6)	\$60,000
Bridgeport type mills(12)	\$156,000
CNC Lathe	\$80,000
Cut off saw	\$10,000
Digital Height Gage	\$2,500
Heat Treat Furnace	\$7,000
Manual Lathes(12)	\$144,000
9" Grinders (4)	\$1,200
Belt Sander	\$1,000
Chop Saws(2)	\$1,800
Horizontal Band Saw	\$5,000
Hydraulic Pipe Bevel (7)	\$26,600
Portable Band Saws(2)	\$1,001
Robotic Welder	\$50,000
Resusci Anne QCPR AED with Shocklink (6)	\$11,250

Individual College Initiatives (Detail)

SPIROMETER SYSTEM PC	\$3,222
McKesson LUMEON® EasyOne® Plus Diagnostic Spirometry System i"	\$4,463
Welch Allen 42MTB-E1 Vital Signs Machine w/o pole	\$2,095
Welch Allyn GS 77796-M w/ Coaxial Ophthalmoscope	\$35,000
AC&I Trainer	\$10,000
Computer Tables (Library, Barton)	\$2,500
Computer Tables-2 (Library, Greer)	\$1,200
Library Barcode Scanners for each campus library (3)	\$10,000
Outdoor Book Returns (Satellite Campuses)(3)	\$125,000
Refresh for Library Laptop Carts (5)	\$4,000
Rolling Task Chairs (Library, Barton)	\$3,600
Computer Chairs -12 (Academic Testing Center, Barton)	\$3,600
Computer Tables -12 (Academic Testing Center, Barton)	\$21,000
Student Desk (table and chair style) (40)	\$1,001
Blinds or Window Vinyl (TRC 160A, Barton)	\$3,200
Computer Tables (Computer Lab, Greer)	\$1,550
Folding Tables (TRC Auditorium, Barton)	\$1,280
Rolling Task Chairs (Computer Lab, Greer)	\$1,800
Service Desk (Computer Lab, Brashier)	\$2,000
Spiral Staircase Kit (TRC Auditorium, Barton)	\$1,750
Stackable Chairs (TRC Auditorium, Barton)	\$3,200
36" Round Tables (Tutoring Central, Barton) (10)	\$1,600
48" Rolling Whiteboards (Tutoring Central, Barton)	\$1,500
Lockers (Tutoring Central, Barton)	\$2,000
Partitions (Tutoring Central, Barton)	\$31,000
Student desks/tables and chairs	\$15,000
Tables and Chairs for The Learning Center	\$8,400
Task Chairs (Tutoring Central, Barton)	\$961,000
Classroom Tables/Chairs (40 rooms)	\$49,100
Faculty Desk Chairs (90)	\$9,000
Ice Machines (2)	\$7,500
Plasma Cutter (2)	\$206,500
Barn/Shed/Greenhouse	\$1,295
8x10 Galvanized Steel Storage Shed w/ Shelves	\$2,160
Chainsaws	\$6,500
Tiller	\$21,560
Tractor	\$2,500
Shed for Service Truck	\$3,000
Carrier 2 Stage Heat Pump with 5 KW heat and Infinity Controls	\$4,000
Heat Pump Split System	\$3,500
Hoshizaki Flacked Ice Machine	\$3,500
Mini split heat pump w/ 2 indoor cells	\$5,400
table top refrigeration units.(6)	\$2,200
Trane 2 stage HP 5KW heat	\$1,000
Vacuum Pump and Scales	\$4,000
Water source heat pump to be used w/ cooling tower(4)	\$48,000
Chevrolet Volt	\$12,000
Epoxy Coating for Floor (12)	\$10,000
Exhaust System for Nissan Area	\$32,000
Nissan Leaf	\$95,000
Trucks (2)	\$2,000
Shelter for Backing Range	\$70,000
Truck/Trailer (2)	\$60,000
Vans for Transporting Students to Range (2)	\$1,079
MSDNAA Renewal/Microsoft Dreamspark Subscription	\$1,079

Individual College Initiatives (Detail)

VM Ware View SNS Renewals	\$10,000
11x17 Lab Printers (2)	\$16,000
Computer, Monitor, Keyboards (38)	\$87,400
iClickers (set of 30)	\$1,050
SMARTboard for ET 327	\$1,700
SMARTboards for Barton SPC Classrooms: 102A, 219	\$3,000
SMART Notebook Math Tools Software	\$1,010
Arrowsmith Classroom - Personal Computers	\$24,000
New Laptops/Cart	\$34,000
AB PLC 5000 Processor and I/O (12)	\$30,000
Laser Printer	\$4,000
Color Printer	\$8,000
Paperless Log System	\$150,000
Computer Refresh (60)	\$101,880
CS Cloud Licenses (168)	\$54,000
Einstein™ E640 Flash Unit (3)	\$1,500
Epson 24" Printer	\$3,995
High Intensity Digital Projectors (3)	\$1,800
Laptop Computer to Run Sound Booth	\$1,500
MacBooks (4)	\$10,231
Wireless headset mics (Lavaliers) (14)	\$1,400
Wireless Telex	\$3,500
AV System Equipment	\$128,200
Mobile Device Charging Station (TRC Atrium, Barton)	\$1,500
Computers for Academic Testing Center, Barton (12)	\$15,000
Computers-8 (Computer Lab, Greer)	\$8,000
Data/power for computers-8 (Computer Lab, Greer)	\$1,600
Virtualization Server for BPS IT Support	\$50,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Horry-Georgetown Technical College

Project: EQUIPMENT

Budget Request Amount: \$15,676,450

Summary Description:

8 - Transcutaneous PaO2 Monitors	\$2,000
8 - Electrical Chest Precursor	\$3,200
4 - Adjustable Patient Beds	\$20,000
Gurneys	\$2,000
Defibrillator	\$9,000
Electrocardiogram	\$6,100
TheAirapy Vest	\$16,000
2 - BiPap/STD	\$5,000
Servo 900 C mechanical ventilator	\$30,000
7200 volume ventilator with graphic display	\$25,000
2 - IPPB machines	\$5,000
2 Teaching Mannequins that can be Intubated and Ventilated	\$4,400
2 - Mannequins - Arterial Blood Gases	\$1,100
2 - Mannequins - Breath and Heart	\$24,000
2 - Mannequins in which Students can place IV Lines	\$8,000
2 - Cardiac Arrhythmia Simulator	\$8,000
Servo 900 C Mechanical Ventilator	\$305,000
5 - Laptop Leap Instructor	\$8,500
5 - Patient Monitor LLEAP Instructor	\$13,500
5 - Intro 3G LLEAP 2DC 2 Consecutive Days Training	\$22,500
5 - SimMan 3G VP P yr 3	\$115,000
CR Reader with built in Picture Archiving Capability	\$90,000
Diamond Select HD11XE model ultrasound	\$150,000
LapSim Basic Skills Non-Haptic System	\$44,000
LabSim Camera Anatomy Training Software and Add-ons	\$14,000
5 - SIMMan ALS Manikin and Accessories	\$160,000
QS-1 NRx Pharmacy Auto Retail Management system	\$10,000
2 - FRED Forensic Unit with RAID	\$18,000
4 - UltraKit with all Write Blockers	\$7,200
4 - TD3 Forensic Imager Kit	\$9,200
70" E85 Series Interactive Panel with Octopus	\$18,850
Fixed Wall Mount with Vertical Adj Mobile Electric Stand	\$1,400
Humboldt Compaction Machine H4169	\$7,600
Trimble S3 Robotic Total Station	\$15,000
3 Trimble R8 Model 3 GNSS Receiver with TSC Rover/Base	\$36,000
VRS	\$72,000
24 - Robotics Simulation Lab for Room 329	\$240,000
16 - New PLC Lab Trainers for Room 327	\$160,000
Electro mechanical Lab Expansion for Room 327	\$400,000
Modular Assembling System and Accessories	\$10,500
17 - Bucksqueeze: Fall Arrest System	\$4,500
17 - FlipLine Lanyard: Cross Over Lanyard for Fall Arrest	\$90,000
Laser Induced Breakdown Spectrometer	

Individual College Initiatives (Detail)

Coherent Tracer Laser Forensic Light Source	\$50,000
Comparison Forensic Microscope	\$82,000
8 17X60 Acer Lathes with digital readouts	\$200,000
6 10X50 Acer 3VK milling machines	\$120,000
4 6X18 Acer surface grinders	\$60,000
4 10X20 Acer surface grinders	\$100,000
2 Okuma horizontal milling machine	\$450,000
2 Haas vertical milling machine	\$200,000
2 Haas turning center	\$240,000
2 Okuma turning center	\$240,000
Mechanical, Hydraulic and Pneumatic Trainers - 35-50 Student Stations	\$750,000
Mechanical, Hydraulic and Lab Pneumatic Trainers - 35-50 Student Stations	\$750,000
Robotic Cells -35-50 Student Stations	\$500,000
PLC Trainers - 35-50 Student Stations	\$500,000
13 Miller Dynasty 280 Multi process welders	\$78,000
13 Miller XMT 350 Multi process welders with wire feeders	\$78,000
26 Lincoln Invertec 350 Multi process welders with ready pak	\$221,000
Lincoln 6 inch orbital welder	\$125,000
2 Watts pipe bevelers and plasma cutters	\$13,000
1 Miller welding simulator	\$50,000
1 Lincoln welding simulator	\$50,000
1 Fanuc robotic cell	\$85,000
4 - Lennox 2ton heat/cool pump with accessories	\$18,000
2 - Trane 2 Ton Heat pump with accessories	\$14,000
2 - Carrier 2 ton Heat pump with accessories	\$20,000
Choco-lution 110 fully automatic temp machine	\$20,000
Bakon USA 10" width enrobing belt with blower	\$15,000
Bakon USA table-top all-stainless 304 professional melting tray	\$5,000
UNOX Cheftop MIND.Maps 5 Tray Oven	\$6,000
10 - Digital Microscopes	\$40,000
14 - Surface Pro carts with 20 surface pros each for digital lab	\$420,000
Infrared Spectrophotometer	\$24,000
Ultraviolet/Visible Spectrophotometer	\$10,000
Atomic Absorption Spectrophotometer	\$26,000
Synthetic cadavers 2 male/2 female per campus	\$480,000
5 Collaborative Learning Space Classrooms	\$600,000
D2L Learning add-ons such as D2L talk back to banner	\$45,000
Surface Pro Cart of 15 devices	\$22,000
CRM System	\$450,000
Mobile Digital Radio/Television/Internet Broadcasting System	\$130,000
Radio Antennae and Repeater System for 2 Buildings	\$100,000
Graphic Wizard PT SCC - Score, slit and perforating machine	\$30,000
DryPro 771 Laser Film Printer	\$30,000
TeamSim Hardware Interface device, LapCam system	\$27,500
TeamSim Training and Software Add-ons	\$12,000
5 - Tablet PCs for instructor	\$10,000
20 - PC's With 16GB Memory with dual monitors	\$40,000
20 - Ultrablock USB Card Reader	\$1,600
20 - UltraBlock USB IDE-SATA Reader	\$7,000
i7 OPS PC Module - Win 8.1 Operating System	\$5,000
4 - Surveillance systems with 5 cameras	\$4,800
4 - Electronic key entry systems	\$10,000

Individual College Initiatives (Detail)

24 – Mac computers with dual monitors	\$75,000
Color Laser Printer	\$3,000
25 - Virtual Reality Headsets – Universal with Carrying Bag	\$17,000
25 - Gaming PC's set up with powerful CPU with dual Monitors	\$60,000
25 - Tablet with software to create and develop videogames	\$10,000
Video wall	\$250,000
20 person CAD Computer Lab upgrade for Civil 3D 2016	\$75,000
Forest Metric – inventory software for forestry and 15 iPads	\$20,000
Video Walls for CLS rooms	\$700,000
2 Table conference camera	\$20,000
TEC Lab and Staff Upgrades (25 computers, 2 MAC stations)	\$80,000
TEC A/V Room Upgrade	\$15,000
Camera system for recording lecture and conference use	\$10,000
Banner XE Cloud Application Hosting Services	\$500,000
Microsoft Cloud Infrastructure Conversion	\$150,000
Oracle Database Encryption	\$200,000
Add Mnfting Center (Conway) - Network Connectivity to & throughout bldg	\$200,000
Information Security Compliance w/ State Policies and Procedures	\$325,000
Network Core Infrastructure Upgrade (All Campuses)	\$300,000
Network Routing Infrastructure Upgrade (All Campuses)	\$300,000
Disaster Recovery	\$750,000
Learning & Teaching Infrastructure (Online and On-campus)	\$300,000
Wi-Fi Infrastructure Upgrade	\$120,000
Data Warehouse & Operational Data Store Software	\$500,000
Replacement of Academic Lab PC's	\$145,000
Replacement of Faculty/Staff PC's	\$75,000
Analytic and Predictive Software	\$50,000
HR Information System - (Onboarding, EPMS, Performance Management)	\$50,000
64" Latex printer	\$25,000
15 Person Passenger Van	\$35,000
18-Wheel Over the Road Truck and Trailer	\$85,000
Mobile Food Truck with Heating/Refrigeration Systems	\$125,000
40 HP Tractor	\$25,000
60" Mowing Deck	\$5,000
2 Zero Turn Mowers	\$20,000
Chiller Replacement - Building 600 Conway	\$100,000
Chiller Replacement - Building 600 Grand Strand	\$100,000
Chiller Replacement - Building 300 Conway	\$100,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Midlands Technical College

Project: EQUIPMENT

Budget Request Amount: \$2,293,067

Summary Description:

Tables with Monitor Holders with Electric Lifts for NURS Lab	\$86,787.05
Laerdal SimMom ADM Compatible	\$59,139.08
Laerdal PROMPT Birthing Simulator	\$9,808.68
Nasco Chloe Patient Care Simulator SB20144UG	\$10,304.00
Fetal Monitor Package	\$4,435.20
Welch Allyn Spot Vital Signs	\$10,805.56
Filiac 3000 Electronic Thermometer	\$1,115.52
Filiac 3000 Thermometer Rectal Probes	\$230.72
Oxywatch Digital Finger Pulse Oximeter	\$313.60
Alaris IV Pump and Syringe Pump	\$9,200.00
DXTRR Repairs (for 4 manikins)	\$10,700.00
Thermo Scientific Heraeus Clinifuge Centrifuge 75003539	\$4,594.00
Braemer 7 Lead Digital Holter Monitor	\$2,612.36
Berco AnyWay Tables	\$4,930.56
Highmark Ergo - Sprint Plus Low Back Armless Task Chair	\$6,317.28
TS Genesys 20 Visible Spectrophotometer 4001000	\$9,516.00
Dynatron Solaris 709 Plus	\$5,130.65
ISE Desks (Line of Sight Multifunction Desks)	\$31,210.83
Lead-Free X-Ray Aprons - Adult Operator, Charcoal Microfiber 0.5 mm	\$2,513.48
Manikin CPR Trainer Baby Anne 4/pk	\$423.65
Manikin CPR Trainer Resuscitation Junior	\$785.94
CPR Economy Adult Saniman	\$323.94
Chemistry (Fisher Scientific) spec 200, pipets, tubes *Q1	\$14,593.24
A&P 211 (Fisher scientific) refrigerator *Q1	\$6,217.41
A&P 112 (Market lab) Stools #ml5322	\$19,004.27
Micro biology (Carolina Biological) Microscope slides	\$2,986.98
Chem 211-212 Pico Spin 80 NMR Spectrometer	\$59,131.59
Biology supplies (Fisher Scientific)	\$16,926.66
Science Maintenance agreements	\$29,425.00
Specific Gravity/Density Meter w / Adaptors	\$4,204.35
Autotitrator w / Accesories	\$6,188.24
Finpipet (Novus 100 - 100 ML 120V) And Tips	\$839.25
Comprehensive Materials Testing System	\$4,653.43
Rockwell Hardness Tester Model G9645	\$829.25
SCR Meter - Triac - Thyristor Analyzer	\$321.00
Diligent Explorer Boards	\$2,407.50
NI Elvis II + Work Stations	\$13,289.40
Feedback PLC Elevator	\$7,490.00
Weller WR3000TS Soldering Rework Station	\$1,926.00
Cmod: Breadboardable CoolRunner-ii CPLD Module	\$535.00
Nasco LifeForm Special Need Infant 10-8-1194	\$504.03
Nasco LifeForm Special Need Infant 10-8-1195	\$504.03
Feeding Pump: Kangaroo	\$3,354.72
Emergency Crash Cart	\$1,993.13
LorickTables with Monitor Holders with Electric Lifts	\$86,787.05
SimJunior Manikin	\$42,914.38

Individual College Initiatives (Detail)

Two Laerdal SimMan ALS Manikins	\$93,787.75
Basket Cart	\$940.80
Wireless Headset from Sennheiser	\$1,979.70
Office Furniture	\$5,000.00
Recording CPR Manikins	\$15,000.00
CPR MANIKINS	\$2,400.00
RESUCE TRAINERS	\$2,600.00
A&P Torsos w/removable organs	\$1,500.00
LONG SPINBOARDS	\$880.00
9FT STRAPS	\$500.00
Head Immobilization Device	\$480.00
Task Chairs (Students all campuses)	\$47,508.00
Office Furniture	\$44,940.00
Cubicles	\$12,840.00
Headset for Cisco phone	\$300.00
Office Chair/Back Support	\$350.00
IST/BUS Lab Computers for all student stations	\$24,611.00
IST/BUS Lab Computers for all instructor stations	\$278,930.25
IST Department Personnel Work Computers	\$16,119.75
IST Lab Printer replacements	\$20,418.35
NURS Lab Desktop Computers With Monitors	\$1,145.00
SimPad System	\$90,394.98
Single Year iStan Premier System Service Agreement	\$3,574.42
ExactaMix Equipment and Software Maintenance Agreement	\$9,549.75
PTA CPI Web and CSIF web	\$16,050.00
Venue 8 Pro 5855 Tablets	\$1,257.25
Computer Self-Assessment Examinations Updates	\$19,275.41
Facts and Comparisons Eanswers	\$2,942.50
3M Coding, Reimbursement System Extended Ref & Software	\$2,006.25
AT 2000 XR Automatic Processor	\$4,712.28
Dell Computer with dual monitors	\$12,091.00
Intuos Pro Large Pen Tablet	\$1,281.62
Quartet Portabale Tripod Projection Screen 50 X 50	\$529.65
Chem Office Professional 15 Suite software	\$157.29
ChemDraw prime 15 software	\$2,140.00
Dell Optiplex 7020 MT Desktop Computer for Engineering Lab	\$2,118.60
Dell Desktop Computers with Monitors	\$44,514.57
Apple - 21.5" iMac® - Intel Core i5 (2.8GHz) - 8GB Memory	\$90,394.98
HP Laser Color Printers	\$2,300.00
MacBook Laptop - 11.6" Display - Intel Core i5 - 4GB Memory	\$1,800.00
Tablet - Version 4	\$900.00
Surface Pro 4	\$2,200.00
Dell Optiplex 7020DR	\$10,104.48
Dell Latitude E5550LT	\$13,790.88
SURFACE PROS	\$15,528.00
CPU/KEYBOARD/MOUSE IN WEBEX ROOM	\$4,400.00
CONFERENCE CAMERA (WEBEX ROOM)	\$2,500.00
SMART DRAW (two 1yr license renewals)	\$250.00
ADOBE ACROBAT DC (pre-paid subscription for two years)	\$2,500.00
AUDIO/VISUAL OVERHAUL OF CT105	\$2,500.00
SONY VPL-CW256 PROJECTORS	\$120,000.00
EXTRON TOUCH PANELS CONTROL SYSTEM	\$35,600.00
DELL COMPUTERS	\$19,250.00
	\$19,900.00

Individual College Initiatives (Detail)

DROBO 5D PROF STORAGE ARRAY SYSTEM	\$1,340.00
DROBO 5D prof.storage Array system5x3TD hard drives	\$1,145.00
APPLE MACPROS w/Apple Thunderbolt Displays & Applecare	\$9,955.00
BLU-RAY/DVD/CD DUPLICATOR SYSTEM	\$4,500.00
HP Desktop Computers	\$56,175.00
HP Laserjet Printers	\$1,605.00
HP High Volume Scanners	\$6,420.00
HP Color Laserjet Printer	\$1,605.00
Desktop Computer PC	\$1,605.00
HP LaserJet B/W Duplex Printer	\$545.70
Dell Desktop Computer w/ Monitor OptiPlex 7020 SFF	\$1,349.37
HP LaserJet B/W Duplex Printer	\$272.85
HP LaserJet B/W Duplex Printer	\$272.85
HP LaserJet Pro M402dn Printer	\$272.85
Latitude 10Productivity Tablet	\$5,160.61
Dell Stylus for Latitude 10	\$367.01
3M Privacy Protector for latitude tablets	\$262.15
Griffin Survivor case for Del latitude 10 and enhanced security	\$449.33
Logistic MK710 Wireless keyboard with concave keys	\$711.55
Dell OptiPlex 7010 DTw/24 in monitor*	\$25,054.05
Surveillance Camera System	\$16,050.00
Desktop Computer	\$2,140.00
Printer	\$1,070.00
Laptop	\$4,815.00
Printer	\$1,284.00
Mobile Device Management	\$160,500.00
Redundant VMWare Cluster Servers	\$85,600.00
Remote Data Storage	\$128,400.00
Fujitsu 7180 Scanner for DoceScan	\$1,800.00
Laser Fax Machine	\$350.00
Fujitsu 7280 Scanner for DoceScan	\$4,500.00
Fujitsu 7280 Scanner for DoceScan	\$2,250.00
Laser Fax Machine	\$350.00
Fujitsu 7180 Scanner for DoceScan	\$5,400.00
Fujitsu 7180 Scanner for DoceScan	\$5,400.00
Fujitsu 7180 Scanner for DoceScan	\$5,400.00
Fujitsu 7180 Scanner for DoceScan	\$1,800.00
Fujitsu 7180 Scanner for DoceScan	\$1,800.00
ACI EMV Terminal	\$3,500.00
Headset for Cisco phone	\$300.00
HP LaserJet Enterprise Printer	\$1,000.00
HP Desktop printer	\$375.00
PC and Monitor	\$11,200.00
HP Scanjet Enterprise Flow 7500 Flatbed Color Scanner	\$1,746.00

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Northeastern Technical College

Project: EQUIPMENT

Budget Request Amount: \$5,915,887

Summary Description:

Lathes	\$631,000
Milling Machines with DRO	\$230,000
Surface Grinders (Kent)	\$115,000
Surface Grinders	\$515,000
Grinding Dust Removal System	\$50,000
Optical Comparator	\$70,000
Bench Grinders	\$1,500
Heat Treat Oven	\$50,000
Side Grinders	\$1,500
CNC Mills	\$260,000
CNC Plasma Cutter	\$40,000
CNC Water Jet	\$100,000
CNC O.D/I.D Grinder	\$150,000
Sand Blaster	\$10,000
Multi-Axis Milling Center	\$200,000
Vertical Band Saws	\$30,000
Horizontal Band Saws	\$20,000
Modular Mechatronic Trainer	\$45,000
Upgrade Motor Control Trainers	\$18,000
50 MHz Digital Oscilloscopes	\$13,940
RSR Bench DMM	\$4,220
Upgrade Light Machine Sim Cell	\$3,000
Handheld Multimeter	\$1,110
Safety Equipment/Misc. Tools	\$13,000
Variable Power Supply	\$4,442
R Wire for in-class Projects	\$4,000
Resistors, Transistors, and other supplies	\$4,000
Hand and Equipment Tools/Hardware	\$10,000
Mechanical Training System	\$55,000
Bearing Maintenance Trainer	\$15,000
Belt Drive Trainer	\$10,000
Cold Saw	\$15,000
Track Torch	\$10,000
Welding Simulators	\$75,000
24 Student Drawing Desks and Chairs	\$20,000
Various Instrumentation Control & Automation	\$40,200
Various Control Technology	\$112,512
Various Industrial Process Control	\$219,760
Technology for Electronic Medical Records Curriculum	\$100,000
Adobe Instructional Software suite	\$20,000
CISCO Training Equipment	\$200,000

Individual College Initiatives (Detail)

20 Digital Logic Design Hardware Kits	\$50,000
Diameter Gauging Unit (can be added to 34-100 or 34-120)	\$1,646
Dual Conveyor Parts Selection and Assembly	\$6,591
Traffic Signal Control	\$336
Industrial Process Fault Finding Trainer	\$26,208
PLC Trainer	\$1,745
Mitsubishi Digital I/O Pack - pre-wired	\$3,957
Allen Bradley Digital I/O Pack - pre-wired	\$3,931
Siemens Digital I/O Pack - pre-wired	\$4,045
Level / Flow Process Control Trainer (38-100,200,300,400,420,490,901M)	\$13,816
Temperature Process Control Trainer (38-600,200,300,480,490,901M)	\$17,540
Level, Flow & Temperature Trainer	\$29,334
Pressure Process Control Trainer (38-714,200,300,490,930M)	\$22,727
pH Process Control Trainer (38-716,200,300,490, 940M)	\$23,155
Complete Distributed Control System	\$117,330
System for all 5 Processes (38-003, 004, 005)	\$75,226
Distributed Control System (DCS) Trainer	\$79,025
Process Instrumentation Trainer	\$41,224
Process Instrumentation Trainer with Controller	\$45,756
5 welders	\$17,865
Swiss Turning Machine	\$145,000
Milling Machines	\$30,000
Tool Room Lathe	\$30,000
Surface Grinder	\$25,000
Various small tools	\$10,000
Surface Plate	\$6,000
5 welders with installation	\$17,500
2 Dual Chamber Programmable Water Bath Units	\$5,000
Pumps trainer	\$50,000
Electrical distribution trainer	\$110,000
Electrical hydraulics trainers	\$80,000
Pneumatics trainer	\$70,000
Micro logix 1000 PLC trainers	\$12,000
Motor control trainer	\$100,000
FLIR thermal cameras	\$6,000
Shaft Hog alignment kit	\$3,000
SMC Automation Trainers - Portable	\$35,000
Heat Pump Trainer	\$15,000
Forced Air A/C Trainer	\$15,000
Refrigeration Trainer	\$60,000
Alternative Energy Trainer	\$45,000
SMC Flexible Manufacturing Trainer - 8 Stations	\$400,000
Misc Tables, Chairs, Board, Fixtures	\$30,000
Inelli-ARC three station welding assessment package	\$44,995
Exhaust System	\$25,000
SG Function Generators	\$2,020
Automatic Washing Machine	\$425
Elevator	\$6,406
Laptop Computer	\$18,900
LEGO EV3 Core and Expansion Set+Software Classroom Pks	\$30,000
Smartboards	\$20,000
(2) Mechanical Device Learning Systems	\$30,000
Tolerance and Quality Control (DEPCO)	\$20,000
Dimension SST1200 Extra Strength 3D Printer	\$50,000
20 Dual Monitors for AutoCAD	\$8,000
Smartboard	\$10,000
Smartboard	\$10,000
20 Apple MacBook Pro Laptops	\$40,000

Individual College Initiatives (Detail)

2 Laser Printers	\$2,000
2 Smartboards	\$20,000
2 Servers for Instruction	\$7,500
Virtual Chemistry Lab Site License	\$5,000
70 computers for two math classrooms	\$100,000
2 Smartboards	\$20,000
Smart Podium	\$7,500
PLC Training Systems with Laptops (AB or Siemens)	\$70,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Orangeburg-Calhoun Technical College

Project: EQUIPMENT

Budget Request Amount: \$1,873,201

Summary Description:

Horizontal Band Saw for MTT program	\$18,500
Upgrade Automated Coordinate Measuring Machine (CMM)	\$130,000
(4) Hampden (or equivalent) Instrumentation Calibration Stations	\$60,000
(6) Siemens G120 VFD Motor Drives	\$6,000
Purchase additional Rosemount HART compatible transmitters	\$16,000
Hampden H-ICS-7627-70 pH Control Module & Hampden H-7627-20 Process Control Module	\$59,000
(2) Industrial Networking Trainers, \$18,000 each.	\$36,000
Kuka Robot trainers (2)	\$110,000
Festo Hydraulic and Pneumatic Trainer	\$40,000
(15) VEX Robotic Kits	\$20,000
Atech Electrical Trainers	\$40,000
Hunter Alignment Rack	\$31,000
Wheel Balancer with diesel tire lift	\$15,000
(2) Water Borne Parts Washers	\$4,000
Water Borne Transmission and Engine Heated Spray Cabinet	\$8,000
Snap-On Puller Set	\$5,000
Tool Storage Cabinets	\$10,000
F250 Power Stroke Diesel pickup trainer	\$15,000
2500 Cummins Dodge pickup trainer	\$15,000
(2) OTC Diesel Engine stands	\$5,000
(3) Scan tools with capability for Diesel software	\$10,000
Diesel work lab benches	\$5,000
(4) Laser Alignment Tools	\$4,000
(2) Mechanical Motor Trainers (FESTO)	\$32,000
(2) Gear Motor Trainers	\$32,000
(2) Mechanical Pump Trainers	\$28,000
(8) Siemens PLC Trainers and Programming Software	\$12,000
Golden shifter and Golden Mirror Training Modules	\$13,000
Lab Freezer (Model Unit # ULT-17S-tp from Tempure Scientific)	\$9,000
Tuttnauer Autoclave (Model # 3870EP from VWR)	\$26,360
Carolina™ Precision Balance, Capacity 600g	\$1,015
3D Tutoring System 4 Computer and 3D applications	\$20,000
See-Through Sally™ Human Anatomy Chart Set	\$1,196
Hill Rom 1000 Bed- with warranty	\$4,507
Nasco Muscle mate for IM injections	\$6,520
Nasco Life form 15 lead ECG placement trainer	\$3,225
Nasco IM injection model of upper arm muscles	\$5,250
Simple Susie/Simon Manikin (2)	\$2,000
Virtual IV Training System (2)	\$40,000
EKG machines and stands (2)	\$7,000
ECG Lead Placement Trainer	\$3,300
Stryker EMS Cart	\$15,000
Airway Larry Manikins 3@\$1200 each	\$3,600
Aerosol Delivery Device with Vibrating Mesh System	\$1,200
Puritan Bennett 840 Ventilator	\$20,000
High Flow Nasal Cannula System	\$2,800
Neonatal Respiratory Isolette	\$3,000

Individual College Initiatives (Detail)

Hillrom Transtar Stretcher	\$2,824
29 Skills Lab Hospital Beds	\$239,300
10 Non-Functional Skills Lab Headwalls @\$1260 each	\$12,600
7 Skills Lab Hospital Beds	\$60,000
Birthing Suite Bed for Simulation Lab	\$18,000
1 Basinette/Isolette for Simulation Lab	\$3,500
8 medicine Carts @ \$1000.00 each	\$8,000
6 Alaris IV Pumps with Dual Channels @\$3410 each	\$20,460
High Fidelity Manikin Metiman	\$80,000
High Fidelity Manikin I-Stan	\$72,000
8 Functional Headwall for Simulation Labs @2500 each	\$20,000
Troy-Bilt Pony 250cc 16-in Rear-Tine Tiller (CARB)	\$1,099
10 laptops for Mechatronics lab	\$8,000
Connex 3 3D Printer and setup accessories	\$218,000
Bar Coding Inventory System	\$5,000
(8) Compact Logix PLCs	\$8,000
EON Studio and the EON Mobile AR/VR module	\$5,000
Virtual or Augmented Reality Simulation Software	\$90,000
NetLab Virtual Lab Installation	\$42,945
Smart Board for Debriefing iSimulation lab	\$4,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Piedmont Technical College

Project: EQUIPMENT

Budget Request Amount: \$2,568,385

Summary Description:

Equipment - EMS program	\$200,000
Nursing OB mannequins update/replacement	\$70,500
Noelle and Hal Simulation Mannequins	\$70,415
Vet Tech - Blood Chemistry Analyzer	\$23,295
Hand Tools Equipment	\$40,000
Intro to Robotics Software	\$150,000
Allen Bradley PLC Software	\$6,500
Automotive Technology equipment	\$46,100
Gunsmithing Program equipment	\$383,000
Mechanical Engineering Technology equipment	\$106,000
Mechatronics Program equipment	\$389,000
Machine Tool equipment	\$308,000
Machine Tool equipment: Apprenticeship Program	\$153,000
Machine Tool equipment replacement (life cycle)	\$95,000
Welding Equipment	\$62,500
Software Updates	\$13,000
3-D Printer	\$20,000
Wacom Tablets	\$24,075
Campus Police and Security (address safety and security issues)	\$68,000
Lab Computers: Life-Cycle replacement	\$265,000
Administrative Computers: Life-Cycle replacement	\$75,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Spartanburg Community College

Project: EQUIPMENT

Budget Request Amount: \$9,846,327

Summary Description:

Hydraulic and mechanical trainers (6)	\$260,000
Snap-On Industrial Certification Programs (10)	\$300,000
Process Control Base Unit	\$445,000
Simtronics Simulator (10)	\$50,000
E-Learning (10)	\$9,300
VFD Control Room	\$9,700
Amatrol - Learning Systems for Technical Education	\$200,000
Aligner	\$65,000
ATECH Training Equip/Simulators	\$40,000
On/Off Car Brake Lathes (2)	\$22,000
Lifts (20)	\$100,000
CNC Lathe	\$150,000
EMCO CNC (24)	\$100,000
CNC EDM	\$150,000
Engine Lathes (20)	\$280,000
Metal Rapid Prototype	\$200,000
Lazer Etching Machine	\$75,000
CMM (2)	\$80,000
Walk in cooler, refrig condensers & evaporators, furnaces, etc	\$74,600
Watts Pipe Cutters (4)	\$16,800
Plasma Machines (5)	\$10,000
Disc Grinders (50)	\$3,000
Benchtop Grinders (5)	\$7,500
Plasma Cam Machine	\$25,000
Benchtop Vises (10)	\$4,000
Air Hose Reels (10)	\$5,000
Miller Pipeworx Machines	\$20,000
Oxy Fuel Track Torches	\$9,000
Tool Sets	\$2,250
Shelving	\$2,000
Rod Oven	\$3,400
Quench Tanks	\$1,300
Drill Press	\$3,000
Tri-Tool Bits (10)	\$4,500
Die Grinders (40)	\$1,600
Welding Machines (50)	\$250,000
Press Brake Machine	\$300,000
Two Iron Worker	\$26,000
Tri-Tool Pipe Beveller	\$30,000
PLC Trainers w/RSLogix 5000 software	\$299,000

Individual College Initiatives (Detail)

PLC Lab (20)	\$200,000
Digital Press	\$40,000
Promethean Boards (4)	\$50,000
Simulation Lab	\$304,600
Respiratory: Servos ventilator, etc	\$136,000
Massage Therapy: Face cradels, w/pillows, bolsters, etc	\$4,210
Radiation Tech: HD display monitor w/computer/tablet hardware	\$9,000
Cabinets for models	\$5,000
Pharm Tech: TPM Automix and Micromix	\$100,000
Pharm Tech: Cabinets, cameras for hoods, ec	\$16,000
Dental: Computers (21), dental simulators (12), etc	\$88,000
Med Lab Tech: Microscopes (7), Pipettors, pipet dryer, etc	\$22,000
Promethian Boards w/hardware, work stations, etc	\$102,280
Art equipment	\$8,200
Early Care & Ed: Child care class setup, etc	\$7,400
Water treatment lab equipment & computers	\$30,000
Wet lab equipment/furniture (Cherokee Campus)	\$84,240
Anatomical models	\$19,134
Central & Cherokee Campuses Lab equipment	\$24,334
Central Campus Chemistry	\$27,200
Astronomy iPad Air 2 w/accessories, slide warmer, etc	\$9,372
Tractors (4), trailers (6), flatbed trailer, box trucks (2), dump trucks (2)	\$580,000
Replacement motorcycles (14)	\$98,000
Generator, Dingo attachments, JD Gator replacement	\$20,100
Gardening equipment: Tractor, rotary tiller, Sthil tiller	\$33,500
Replacement computers	\$15,000
Digital printer	\$50,000
Video Conferencing System	\$20,000
Classroom and Lab Multimedia Upgrades	\$3,313,437
Replacement Phone System	\$64,920
Replacement Document Imaging System	\$85,000
Computer Center Redundancy Upgrade	\$164,000
Wireless network upgrades	\$160,650
Network Security Software	\$75,000
Security Camera System Upgrade from Analog	\$140,800
Evans Academic Center Auditorium Sound, Projection & Lighting Equipment	\$105,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Technical College of the Lowcountry

Project: EQUIPMENT

Budget Request Amount: \$1,378,000

Summary Description:

Biology Lab	\$20,000
Welding Lab Exhaust System	\$50,000
Automotive Mechanics Lab	\$650,000
Esthetician Lab	\$150,000
Kuka Robot System	\$58,000
Cyber Security	\$150,000
Crestron Multimedia Stations	\$200,000
Broadcast Upgrades	\$100,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Tri-County Technical College

Project: EQUIPMENT

Budget Request Amount: \$2,937,723

Summary Description:

Plasma Cutters	\$15,000
Wilton Vises	\$16,000
Welder Generator	\$6,500
Seaming Machine	\$5,000
Water Source heat pump	\$5,000
Ultra-efficient heat pump	\$5,000
Gas furnace	\$3,000
Tire Mounting and Balancing Machines	\$30,000
Drive-on Lift	\$20,000
Tooling for HAAS machine	\$20,000
CNC equipment	\$581,400
Shaft/Coupling Alignment trainer	\$72,000
Belt Drive/Pump Maintenance Trainer	\$72,000
DEPCO Robotic Trainer/Automated Material Handling	\$28,800
Kuka Robot for new assembly line	\$30,000
Advanced technology training - Jointed Arm Robot	\$25,000
Instrument trainers/Flow/Pressure/Level	\$80,000
Precision Measurement Trainers/Mechanisms	\$38,100
Motor Generator trainers	\$60,000
Adult Manikins	\$1,250
Counter Top - nurse aide lab	\$5,000
Sam II Student Auscultation Manikin	\$25,000
Adult Simulator	\$70,000
Neonatal Simulator	\$70,000
Pediatric Simulator	\$70,000
Birthing Simulator	\$70,000
Nursing Simulator	\$70,000
Lifeform bp simulator with speaker system	\$6,000
Manikin Access - IV Arms, BP Arms, Scopes and remotes	\$12,900
Equipment refresh	\$8,120
DXTTR Human Skull	\$14,980
Schick Digital Sensor	\$7,490
Sterisil AC System (Water Distiller)	\$1,070
Kiosk software for building	\$24,610
Kiosk software for building	\$1,926
IM3 Compressor (dental)	\$21,400

Individual College Initiatives (Detail)

Microscope Camera	\$2,140
Surgical Instruments	\$1,926
Surgical Table (hydrolic)	\$35,000
Surgical Complete Care Manikin	\$4,000
Electrosurgery Generator	\$17,000
Surgical Instruments	\$5,000
Laparoscopic Surgical Simulator	\$7,000
Accel Chemistry Analyzer	\$10,600
Hematology Analyzer	\$51,700
Equipment refresh	\$2,773
Benchtop Centrifuge	\$10,700
Pocket Nurse Automated Dispensing Unit	\$38,135
Baxter Repeater Pump	\$6,900
Training equipment	\$56,370
Biology: Anatomage Tables with software and covers	\$338,320
Chemistry: Spectrometer	\$63,000
Physics: Electronic Charge-to-Mass Ratio System	\$39,588
Physics: New Lab Equipment	\$10,000
Computer Technology: Computer Network & Specialist Training/Simulators	\$56,000
Criminal Justice: Training Equipment	\$5,825
Media Arts Production: AVCCAM cameras for video production courses	\$8,200
Used Tractor, with sleeper cab and 10 speed CAT engine	\$55,000
Mixer blades	\$1,000
3D Scanner	\$36,000
Video Cameras	\$1,500
Activity Learning Classroom	\$75,000
Cyber Security Technology	\$215,000
Simulation software/licenses (IT Course certifications)	\$11,500
VDI Storage Replacement	\$180,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Trident Technical College

Project: EQUIPMENT

Budget Request Amount: \$6,530,031

Summary Description:

Siemens S7-1500 Trainer Package (6)	\$14,400
Siemens Basic HMI Panel	\$2,350
Feedback elevator (2)	\$15,000
Two(2) Maratherm or equivalent split system heatpumps	\$2,000
Two (2) Maratherm or equivalent AC only units	\$2,000
Two (2) 80% efficient gas furnaces 75,000 BTUH Natural Gas	\$2,400
Replace car lift (existing)	\$7,000
60" Alvin Titan Drafting Table	\$2,500
Springbrook 1-ws Pondless Waterfall (1)	\$2,000
Hydraulic Troubleshooting Learning System (3)	\$144,321
Flowserve Acrylic Training Pump (1)	\$27,000
1 High Precision Optical Fiber Cleaver -	\$700
1 Fitel Ninja Handheld Single Fiber Fusion Splicer -	\$4,000
1 Core Alignment Splicer Kit w/Fitel Cleaver 2 Batter -	\$7,500
11 - AM/FM function generators for 700 building room 202/206 -	\$12,000
Stylist/Barber Chairs (28)	\$28,000
Small Equipment – Towel Warmers (6)/Latherizer (6)/Massager (6)	\$6,000
Sanitizing Systems(6)/Small Chemiclave (1)	\$7,200
Ten Lincoln Wireless Remote Foot Controls	\$4,500
Five Miller Wireless Remote Foot Controls	\$250,000
Machine Tool Technology	\$40,000
Machine Tool Technology	\$25,000
Machine Tool Technology	\$100,000
Machine Tool Technology	\$10,500
Steadicam Zephyr Camera Stabilizer with HD Monitor (V-Lock Battery Mount	\$24,000
Red Scarlet Dragon TI PL Mount Camera Package	\$2,500
PSC PowerMax Ultra w/LiFe Battery	\$11,200
VariZoom VZTOC-ZFi3 Wireless Follow Focus System	\$90,000
Arri Alexa XT Cinema Camera System	\$13,200
VariZoom SnapCrane 16 and CPJR-K5 Remote Head Kit	\$2,750
Lectrosonics SRb5P Dual-Channel Slot Mount Wireless ENG Receiver Kit	\$1,900
Comtek BST-25/216 Synthesized Base Station Transmitter	\$4,500
Lectrosonics D4 Wireless Transmitter and Receiver Kit	\$4,500
MYT Works Large Glide Camera Slider	\$3,100
Studio Vertical Sound Cart VSC-101	\$2,400
Schoeps CMT5UAG Shotgun Microphone	\$4,000
12 Motorola 200d Walkie-Talkies including Programming Fee	\$10,000
O'Connor Fluid Head Tripod 103 D	\$16,000
Xante HWC Heavyweight Champion Production System with PlateMaker 7	\$8,995
Hasselblad X1D-50c Medium Format Mirrorless Digital Camera (Body Only)	\$2,295
Hasselblad XCD 45mm f/3.5 Lens	\$31,000
Purchase 2 additional Cisco multi-purpose pods to expand the existing pod capacity	

Individual College Initiatives (Detail)

2 Panasonic AG-DVX200 Handheld Camcorder	\$8,390
2 Manfrotto 545B Pro Alu Tripod	\$1,160
Cannon EOS 5D Mark III DSLR Camera	\$2,250
Cannon EF24-70mm f/2.8L II Lens	\$1,749
Stairs	\$2,500
Hi/Low Mat table	\$3,500
Computer stations for Pharm Tech lab	\$12,000
Upright Bike	\$1,995
Plate Loaded	\$2,559
Ballet Bar	\$566
Single door refrigerator	\$2,000
Digital balance	\$300
Hot plate	\$900
Moticam X2 digital Wi-Fi camera (x3)	\$1,350
Heating elements for microincinerators (x10)	\$2,000
Gel Electrophoresis equipment (power supply and chamber that can hold 2 gels).	\$850
Single door refrigerator	\$2,000
VWR General Purpose Water Bath, 2 L capacity	\$650
Reichert Darkfield Quebec Colony Counter	\$1,191
Magnetic Dry Erase surfaces	\$3,500
Vernier Software lab equipment	\$16,000
Starlab Ares Digital Projection Portable Planetarium	\$85,000
Gas Chromatograph/Mass Spectrometer with spectral library	\$70,000
Rotary Evaporation System	\$15,000
Lab Vacuum	\$2,500
Fourier Transform Infrared Spectrometer with operating computer	\$40,000
AS-13 Aircraft Hydraulic Trainer - 1 each	\$34,600
Aircraft (twin)- Baron - 1 each	\$400,000
Robinson R44 Raven II Helicopter - 1 each	\$300,000
Aircraft Jacks - 3 each	\$40,000
Hydraulic Mule - 1 each	\$30,000
IO 470 aircraft engines - 6 each	\$125,000
R134A recovery unit - 1 each	\$15,000
Tire balancer - 1 each	\$35,000
ATP HUB/Maintenance Manuals/ Digital Log books - 1 year subscription	\$10,000
Rapid Ply Cutter - 1 each	\$35,000
Axial swage kit - 1 each	\$40,000
EC2X4 Autoclave - 1 each	\$75,000
3 axis CNC milling machine - 1 each	\$25,000
Transport Category Flight Deck Trainer/Simulator - 1 each	\$2,000,000
Weather Radar test bench - 1 each	\$23,703
CONVECTION OVEN Vulcan Model No. VC44GD	\$6,700
Montague Company Model No. 124-5 Legend Heavy Duty Range	\$25,500
COUNTERTOP GRIDDLE Vulcan Model No. VCRG24-T 1 each	\$1,800
CHARBROILER Vulcan Model No. VACB36 1 each SPLASH6-CB36 Splashguard, 6"	\$4,200
FRYER Vulcan Model No. 1GR45M 1 each	\$2,850
SMOKER Southern Pride Model No. SC-200-SM	\$7,675
Advanced Manufacturing - Kuka KEC 3282 Robotic Cell	\$120,307
Advanced Manufacturing - Festo Automated Line	\$245,411
Machining - Manual Lathe	\$18,018
National Aviation Consortium - Assembly Mechanic - 180 Skills	\$170,062
CNC Machining - Haas UMC-750SS 5-Axis Vertical Machining Center with Assessories	\$199,964
CNC Machining - Haas TM-1 Mill	\$32,152
Advanced Manufacturing - Festo 556276-C Mechanical Lab Trainer	\$11,062

Individual College Initiatives (Detail)

National Aviation Consortium - Quality Assurance - 180 Skills	\$75,950
National Aviation Consortium - Tooling - 180 Skills	\$24,690
Machining - Water Jet Cutter	\$127,275
Laptop (to replace desktop) (42)	\$67,200
Snap-On Versus software (10 kits)	\$540,000
Dell Laptops (16)	\$26,000
One Portable 3D Scanner	\$9,000
Purchase Five (5) Macbook Pro computer with AppleCare Protection for faculty	\$15,000
Eight (8) Dell Workstations & Dell 24 Dual Monitor Bundles for faculty	\$26,800
Epson SureColor T7270 44" Large-Format Inkjet Printer	\$4,595
Management Department Purchase 4 Cisco UCS Blade servers and virtualization software	\$80,000
Purchase NetAPP Storage Area Network equipment upgrades	\$69,000
Purchase 24 zero client/VDI computers for the CPT101 lab at Palmer campus	\$25,000
Purchase 6 zero client/VDI computers for the 920/503 lab	\$10,000
4 Mac Pro tower computers w/ dual monitors	\$16,000
2 Macbook Pro laptop computers	\$4,000
6 licenses to Adobe CC 2016 software suite / Educational Rate through college	\$1,000
5 Audio Technica AT2020USB+	\$750
5 Logitech C930e Webcam	\$550
Dugan E-2 Auto Mixer	\$3,850
Sony Anycast Touch Live Content Producer	\$11,395
Master Classroom (projector and computer)	\$1,600
LG Cloud V Series 23CAV42K-BL - Thin client	\$6,500
Computer	\$1,500
I-Clicker 2 remotes (x25)	\$1,250
SMART Board 6075 - 75" Interactive Monitor	\$7,100
iPads (6)	\$3,300
5 smartboards-widescreen verion of 800 series	\$25,000
2-additional software licenses for smartboard	\$200
SMART document cameras	\$1,500
Camtasia license for department use	\$300
5 Non-VDI desktop computer with tall stand and stool and auxiliary (speakers, etc)	\$25,000
High quality recording microphone with USB audio interface	\$925
2 laptops (equipped with Smartboard technology and TI 84 Smart View software)	\$2,000
TI 84 Smart View software license	\$175
3D printer for use in Calculus to demonstrate three-dimensional calculus concepts	\$3,000
8 stand alone modern computers and monitors	\$20,000
Replacement of Six 12 Year Old Computers	\$30,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS Williamsburg Technical College

Project: EQUIPMENT

Budget Request Amount: \$1,678,500

Summary Description:

Instructional Simulators (Adult/Child/Baby)	\$180,000
Pyxis Meds Station System	\$25,000
(6) Advanced GERI Manikins	\$18,000
(4) Cervix Dilation Model Trainers	\$4,000
(2) Uterus with Baby Model Trainers	\$3,000
Allied Health Assessment Technology Software	\$50,000
Electric Medical Records Curriculum Software	\$45,000
SMC Flexible Manufacturing Trainer - 2 stations	\$100,000
CNC 5 - Axis Milling Machine	\$151,000
Virtual Welding Simulators (10)	\$90,000
(15) Welding Inverters with Installation	\$53,000
Hyster Gas/Deisel Forklift	\$30,000
(2) Bench Grinders	\$3,000
CNC Heat Treat Oven	\$50,000
Level, Flow & Temperature Trainer	\$29,500
Pressure Process Control Trainer	\$23,000
pH Process Control Trainer	\$23,000
Complete Distributed Control System	\$117,000
System for 5 Basic Processes (38-003,004,005)	\$75,000
CNC Plasma Cutter	\$40,000
CNC Water Jet System	\$85,000
Industrial Tables, Board & Fixtures	\$25,000
Safety Equipment/Misc. Tools	\$12,000
Energy Plus Lighting System (all labs)	\$72,000
Network core/routing infrastructure upgrades	\$175,000
Replace 16 yr old Avaya telephone system with VOIP	\$200,000

Individual College Initiatives (Detail)

JUSTIFICATION FOR FY 2017-2018 INDIVIDUAL COLLEGE BUDGET REQUESTS York Technical College

Project: EQUIPMENT

Budget Request Amount: \$1,345,944

Summary Description:

Vector Network Analyzer for EET	\$39,000
30 benchtop oscilloscopes for the EET program	\$54,600
3D Printer capable of printing nylon infused with carbon fiber and fiberglass	\$40,000
HF72 Felxure Tool for Tinus Olsen UTM	\$5,435
Upgrade package for Festo Industry 4.0 mechatronics trainer	\$76,000
Five Field Camera Kits	\$25,000
MLT_2 replacement Microscopes	\$6,000
MA_3 baby mannequins	\$6,000
SUR_Nicked Aorta trainer	\$9,738
Hexagon 7-axis coordinate measuring machine	\$76,171
Replace smart classroom equipment in 27 classrooms	\$135,000
Yard truck for TDR program with day cab	\$30,000
CISCO routers for CISCO	\$26,000
Double axel tractor truck w 10 speed transmission for road use	\$55,000
Ambulance simulator for EMS curriculum	\$60,000
Forklift	\$30,000
Dell PowerEdge R630 infrastructure for virtual servers.	\$21,000
PC Lifecycle Replacement	\$200,000
Distance Learning Classrooms - Year 2	\$125,000
Storage Area Network Switches	\$20,000
Network Firewall Replacement	\$200,000
Wireless Infrastructure - Year 2	\$80,000
CISCO routers for CISCO CCNA Program	\$26,000

Individual College Initiatives (Detail)

